



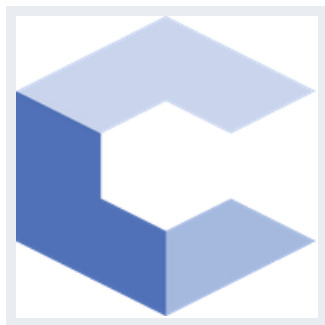
4 Courses

**C++ Basics: Selection and Iteration**

**C++ Basic Structures: Vectors, Pointers, Strings, and Files**

**C++ Object Basics: Functions, Recursion, and Objects**

**Object-Oriented C++: Inheritance and Encapsulation**



Dec 5, 2023

**Aditya Kumar Gupta**

has successfully completed the online, non-credit Specialization

# Programming in C++: A Hands-on Introduction

This specialization is intended for people without programming experience who seek to develop C++ programming skills and learn about the underlying computer science concepts that will allow them to pick up other programming languages quickly. In these four courses, you will cover everything from fundamentals to object-oriented design. These topics will help prepare you to write anything from small programs to automate repetitive tasks to larger applications, giving you enough understanding of C++ to tackle more specialized topics such as Data Science and Artificial Intelligence.

The online specialization named in this certificate may draw on material from courses taught on-campus, but the included courses are not equivalent to on-campus courses. Participation in this online specialization does not constitute enrollment at this university. This certificate does not confer a University grade, course credit or degree, and it does not verify the identity of the learner.

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